Dec don 11.27-34

POTENTIAL HAZAF	RDOUS WASTE SITE	I. IDENTIFICATION
	ASSESSMENT	01 STATE 02 SITE NUMBER 786
PART 1 - SITE INFORMA	TION AND ASSESSMENT	
II. SITE NAME AND LOCATION		
01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION	IDENTIFIER
Motor Oil Retining Co	7601 W 47.th	5t.
03 CITY	04 STATE 05 ZIP CODE 06 COUNTY	07COUNTY 08 CONG CODE DIST
Mc Cook	IL 60525 Cock	CODE DIST
09 COORDINATES LATITUDE LONGITUDE 47 48 13.8 087 48 40.0	Bernyn Quad	(320)
10 DIRECTIONS TO SITE istarting from nearest public road) See Attached.	Map	
III. RESPONSIBLE PARTIES		
O1 OWNER (# known)	02 STREET (Business mailing, residential)	
Harry Lituin and Assoc.	P. D. Box 282	
witchita	04 STATE 05 ZIP CODE 06 TELEPHONE 06 TELEPHONE 1316 265	
OT OPERATOR III known and different from owner! More CO Energy Inc	08 STREET (Business, mailing, residential) 7601 W. 47th	5t.
IO9 CITY . ↓ ✓ /	10 STATE THE CODE TELEPHONE	
. McCook	IL 60525 312124	2-2252
13 TYPE OF OWNERSHIP (Check one)		' 🗀 E. MUNICIPAL
A. PRIVATE B. FEDERAL: (Agency name)		L E. MUNICIPAL
☐ F. OTHER:(Specify)	G. UNKNOWN	
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all linet apply) □ A. RCRA 3001 DATE RECEIVED: □ B UNCONTROL MONTH DAY YEAR	LED WASTE SITE (CERCLA 103 c) DATE RECEIV	ED: 6 8 8 0 C NONE
IV. CHARACTERIZATION OF POTENTIAL HAZARD		
01 ON SITE INSPECTION BY (Check all that apply) A. EPA B. EP	A CONTRACTOR Z C. STATE	D. OTHER CONTRACTOR
□ NO NO L L = 2 2 = 2 2	FICIAL [] F. OTHER:	(Specify)
O2 SITE STATUS (Check one) CONTRACTOR NAME(S):		
	Oct-1940 Present	UNKNOWN
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED	BEGINNING YEAR ENDING YEAR	· ·
() 1) W/1 : if w (Po	rsistant / Flamabl	e)
Heavy Metals (Te	oxic /Persistant)	,
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION		1
Ground Water (Popul	lation /Environment/)
Surface Water (Environment)	
V. PRIORITY ASSESSMENT		
O1 PRIORITY FOR INSPECTION (Check one If high or medium is checked, complete Part 2 · Waste Info A. HIGH (Inspection required prometly) B. MEDIUM (Inspection required) (Inspect on time	imation and Part 3 - Description of Hazardous Conditions and In D. NONE (No further action needed, comp	
VI. INFORMATION AVAILABLE FROM		
01 CONTACT 02 OF (Agency/Ørgans		03 TELEPHONE NUMBER
Kenneth Fredette Motor O4 PERSON RESPONSIBLE FOR ASSESSMENT Richard Lange IEPA	r Uil Retining Co	2 (3121242-225
Richard Lange IEPA	1217173	1 NUMBER 08 DATE 2 134

EPA FORM 2070-12 (7-81)



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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

I. IDENTII	
O1 STATE O	02 SITE NUMBER 000 646 786

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS							
	ATES Check all that apply?	02 WASTE QUANTI		03 WASTE CHARACTE	ERISTICS Check all that app	Ely	
	5 01.100	Measures of waste quantities inust be innependent		YA TOXIC E SOLUBLE I HIGHLY VOLATILE			OLATILE
A SOLID B POWDER	E SLURRY I FINES F LIQUID	TONS	. K	B CORROS C RADIOA			
✓ C SLUDGE	G GAS	CUBIC YARDS	unk	D PERSIST		BLE LINCOMP.	ATIBLE
D OTHER	Specifyl	NO OF DRUMS		-		M NOT API	PLICABLE
III. WASTE TY	PE	<u> </u>					
CATEGORY	SUBSTANCE N	NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE						
OLW	OILY WASTE		unk	nown			
SOL	SOLVENTS						_
PSD	PESTICIDES						
occ	OTHER ORGANIC CI	HEMICALS					
100	INORGANIC CHEMIC		 				
ACD	ACIDS				 		
BAS	BASES						
MES	HEAVY METALS	···	unka	244	Turk	Bottoms	(V052)
	OUS SUBSTANCES -See 4	Ancenda for most trecuen		LUM	1 /ann	20110113	NUSA
01 CATEGORY	UZ SUBSTANCE N		03 CAS NUMBER	04 STORAGE DISA	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
ME5	Lead			K052 to	Disposal Co.		Known
11165	XEUU		 -	10/2 101	<u> </u>	<u> an</u>	THE WALL
							
							
			 				
			 				
							
			<u> </u>				
	·····	 	<u> </u>				
		• • • • • • • • • • • • • • • • • • • •					
			1				
			 				
V EFFOSTO	CKS See Appendix for CAS Numb		<u> </u>	L			L
CATEGORY	01 FEEDSTOO		02 CAS NUMBER	CATEGORY	21.555027		
	01,2200.00	JK NAME	UZ CAS NUMBER		01 FEEDSTC	OCK NAME	02 CAS NUMBER
FDS			 	FDS			
FDS			 	FDS			
FDS			<u> </u>	FDS			
FDS			1	FDS			
VI. SOURCES	OF INFORMATION (Cit	e specific references le g	state files sample analysis	reports)			
						-	
			, /	A 6	· · · · · · · · · · · · · · · · · · ·		
	I I	PA Fi	les (Lur	ed and	Mater)		
			•				

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

ILD 000646786

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

PARTS DESCRIPTION OF	TIALANDOOG GONDINGNO AND INCIDENTO	┥.
HAZARDOUS CONDITIONS AND INCIDENTS	02 L) OBSERVED (DATE)	-
01 X A. GROUNDWATER CONTAMINATION 130,000	OA NARRATIVE DESCRIPTION	
Perculation of (K	048 through KO52), Oily waste	1
Through Soil Profile.		1
01 XB. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED NA	02 X OBSERVED (DATE 4-5-83) POTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION	7
03 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION	10
Surface water run of	of NARRATIVE DESCRIPTION ff bearing oily waste, probably containing fun off was 26% oil on this date, No Kno n tributary ditch to Des Plains River in Area 02 00 OBSERVEDIDATE POTENTIAL ALLEGED	
KO 48, 49,50,51 + KO52, KI	un off was 26/0 011 ON Mis acre, Municiple	رز :
Kun off leaves site in	n tributary ditch to Vestlains Kivers in Are	4
01 LT C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED	O2 L: OBSERVED (DATE	1
		1
		-
01 © D FIRE/EXPLOSIVE CONDITIONS	02 OBSERVED (DATE) L. POTENTIAL C ALLEGED	7
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION	
		l
O. T. P.	00/7 00050/50 (0.47)	4
01 G E DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED	02 □ OBSERVED (DATE) □ POTENTIAL □ ALLEGED □ 04 NARRATIVE DESCRIPTION	
	•	
01 XF CONTAMINATION OF SOIL	02 OBSERVED (DATE) POTENTIAL ALLEGED	7
OS AREA POTENTIALLY AFFECTED UNK	04 NARRATIVE DESCRIPTION	
See A		
		_
01 : G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED	02 { DBSERVED (DATE) POTENTIAL ALLEGED O4 NARRATIVE DESCRIPTION	1
		J
01 H WORKER EXPOSURE/INJURY	02 (COBSERVED (DATE) COPPOTENTIAL CONTINUE ALLEGED	\dashv
03 WORKERS POTENTIALLY AFFECTED.	04 NARRATIVE DESCRIPTION	l
•		
		- [
01 LIT POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED	02 C) OBSERVED (DATE) () POTENTIAL C: ALLEGED O4 NARRATIVE DESCRIPTION	}
	· · · · · · · · · · · · · · · · · · ·	
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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDEN	TIFICATION	
OI STATE	02 SITE NUMBER 000646	786

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

N. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)			
01 🗆 J. DAMAGE TO FLORA	02 C OBSERVED (DATE)	□ POTENTIAL	☐ ALLEGED
04 NARRATIVE DESCRIPTION			
	OO C OPPERATE ADATE	CT POTENTIAL	C ALL FOED
01 FG K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include name(s) of species)	02 G OBSERVED (DATE:)	POTENTIAL	☐ ALLEGED
U4 NAMED THE DESCRIPTION (INClude name(s) of species)	121 1 101 - 1	11, 11	ļ
See A De	es Plains River 4	14 mile	
			ļ
01 D L. CONTAMINATION OF FOOD CHAIN	02 C OBSERVED (DATE)	□ POTENTIAL	☐ ALLEGED
04 NARRATIVE DESCRIPTION			
	77 - 02		
01 M UNSTABLE CONTAINMENT OF WASTES (Spills runoff standing liquids feaking drums) / 2.0 0.0.0	02 X OBSERVED (DATE: 4-5-83)	☐ POTENTIAL	☐ ALLEGED
01 MM UNSTABLE CONTAINMENT OF WASTES (Spills runoff standing liquids leaking drums) 03 POPULATION POTENTIALLY AFFECTED / 30,000	04 NARRATIVE DESCRIPTION		
		L	
See .	B and Attachment	5	
01 (N. DAMAGE TO OFFSITE PROPERTY	02 X OBSERVED (DATE 4-5-83)	☐ POTENTIAL	☐ ALLEGED
OA NADRATIVE DESCRIPTION		_ , , , .	- · · · · · · · · · · · · · · · · · · ·
seeB and At	tach ments		
SEED WAY THE			
01 🕮 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPS	02 🗆 OBSERVED (DATE)	POTENTIAL	□ ALLEGED
04 NARRATIVE DESCRIPTION			
01 : P ILLEGAL/UNAUTHORIZED DUMPING	02 TO OBSERVED (DATE:)	□ POTENTIAL	☐ ALLEGED
04 NARRATIVE DESCRIPTION	OE () COOCHIVED (ORIE)	- TOTERTIAL	- ALLLGED
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLE	GED HAZARDS		
III. TOTAL POPULATION POTENTIALLY AFFECTED:	130.000		
IV. COMMENTS			
IV. COMMENTS			
V. SOURCES OF INFORMATION (Cite specific references, e.g. state files	sample soster (ecosts)	· · · · · · · · · · · · · · · · · · ·	
TO STILLE OF THE STIMM ION ICHO SPECING FOR FRIENDS, & g State Nos	Sample energists, reports)		
- 24 -11	C_{0} , C_{0}		
TEPA Files 1	Air, Land, Water)		

EXECUTIVE SUMMARY

Moreco (Motor Oils Refining Company) is involved in the rerefining of used industrial and engine crankcase oil. According to statements from the company they accept no oils or materials with a flash point below 140°F. The major portion of their incoming oil appears to come by rail with smaller amounts incoming by semi-tanker and barrel. Moreco states that the only hazardous material dealt with by them are tank bottoms from their incoming oil storage but the nature of this type of industry leaves this in question. Tank bottoms are removed by a private contractor for off site disposal.

The major problems noted by this author would be the poor containment of surface runoff, a noted off site soil contamination and a high potential for groundwater contamination.

A medium priority has been assigned with soil samples and monitoring wells deemed in order.

RL:mkb:S/35

B - 1,3 FACILITY DESCRIPTION

The processing plant, located in McCook, Illinois, re-refines waste oil through a proprietary vacuum distillation process. The process produces base oil which is then blended with virgin blending oils and additives to produce lubricants meeting customer specifications.

The plant is situated on a 6.6 acre tract of land in an industrial area of McCook. There are two buildings on the site along with the distillation equipment and storage tanks for used oil, base oil, blending oil, and additives. Total tank capacity is approximately $2.6\ \overline{\text{M}}$ gallons. There are also provisions for handling drum quantities of all these materials.

Primary processing equipment consists of six (6) atmospheric distillation towers, three (3) vacuum distillation systems, six (6) process heaters, two (2) steam boilers, a Dowtherm vaporizer, a water treatment facility, and an incinerator. The total storage capacity is approximately $2.5\ \overline{M}$ gallons.

Used oil supplies come from three primary sources: railroads (diesel engine lube oil and car journal oil), industrial users (hydraulic, metalworking, and quenching oils), and automotive consumers (crank case oil). Railroad diesel engine used oil is segregated from the other lower viscosity oils throughout the system. This oil generally contains no lead. Storage for the lower viscosity used oil is limited to two (2) 250 K gallon tanks.

Process byproducts, a very heavy asphalt-like material and fuel oil are sold commercially. Some of the fuel oil is consumed internally for process heat. Approximately half the process heat is produced by burning natural gas.

Process water is collected and treated in an API separator and a DAF system. Since the plant is diked around the entire perimeter, rain water is also processed through the waste water treatment facility. The fuel oil mentioned above is removed from the API separator. Light gases are drawn of the separator, scrubbed, and consumed in the incinerator.

Process area fire protection is provided by deluge and sprinkler systems, strategically located fire hydrants and hoses, and dry chemical extinguishers. A fire alarm is tied into the McCook fire department through ADT. No storage tanks contain ignitable substances.